

SUBSTITUTE SHEET (RULE 26)

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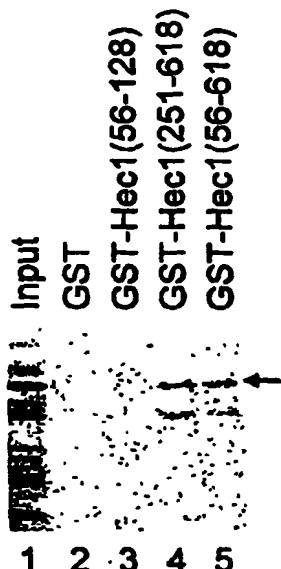


FIG.2A

	colony color	β -Gal. activity
hsHec1 (a.a. 1-642)		
15Pst (a.a. 251-618)	blue	2744 ± 220
15PR (a.a. 251-431)	blue	902 ± 226
15Scs (a.a. 361-547)	blue	637 ± 398
15HpBg (a.a. 547-618)	white	17 ± 3

FIG.2B

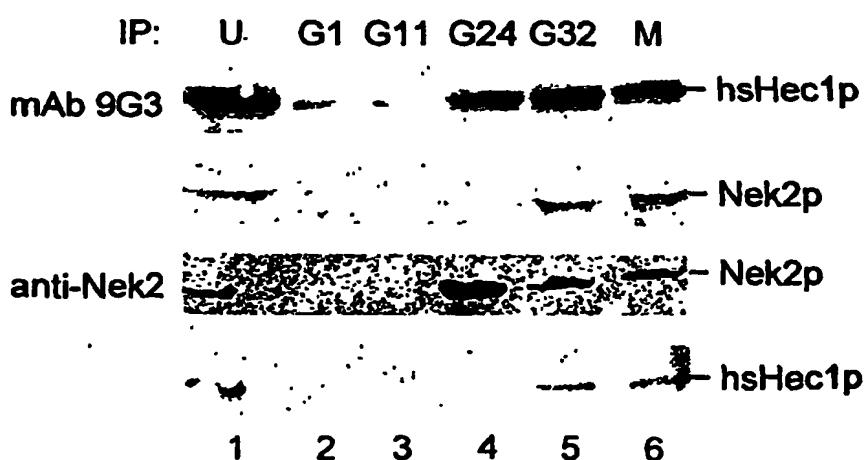


FIG.2C

hsHEC1 158 LGYPFAL S KSSMYTV
peptide sequence: LGYPFALS^{P04}KSSMYTV
(A439)

FIG.3A

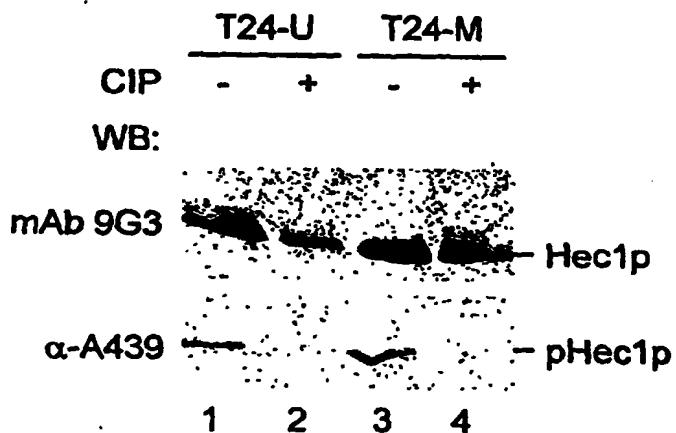


FIG.3B

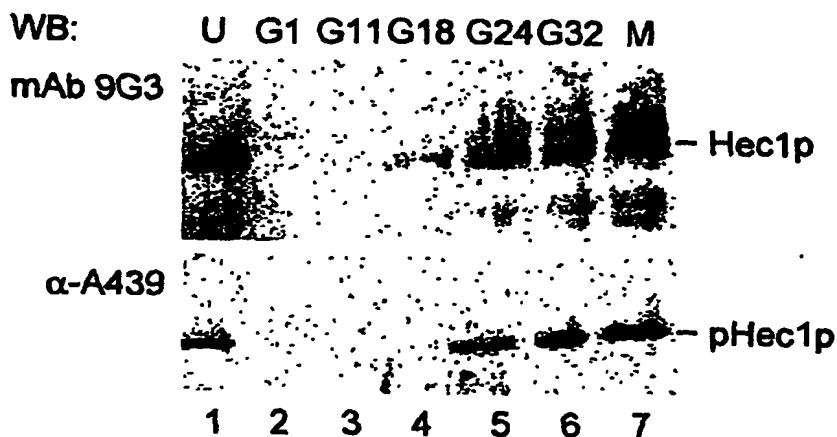


FIG.3C

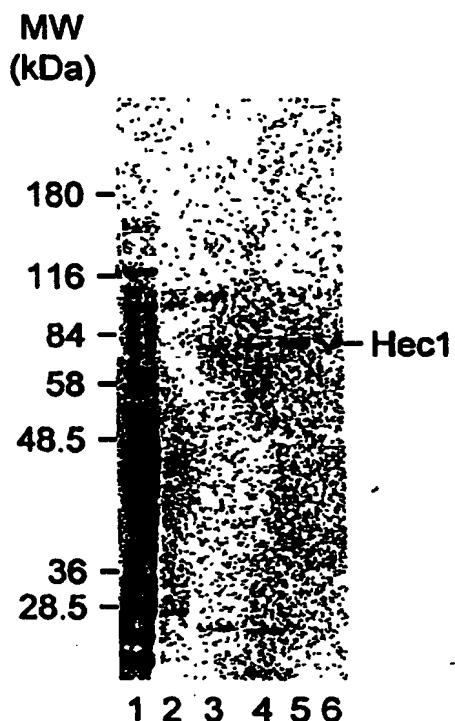


FIG.4A

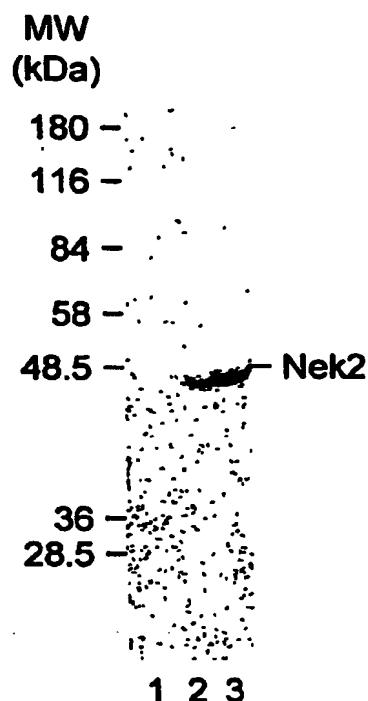


FIG.4B

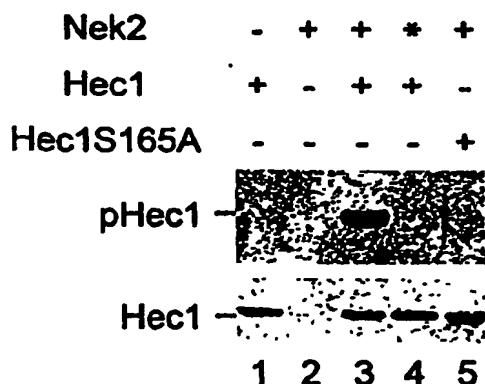


FIG.4C

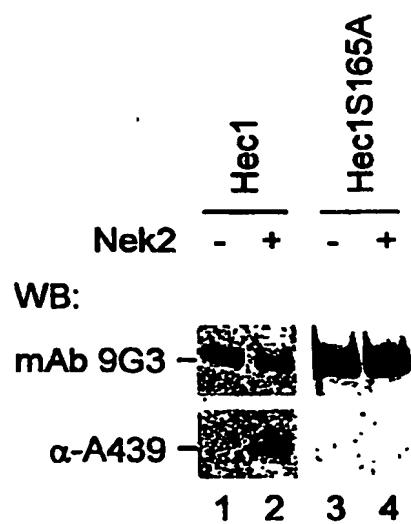


FIG.4D

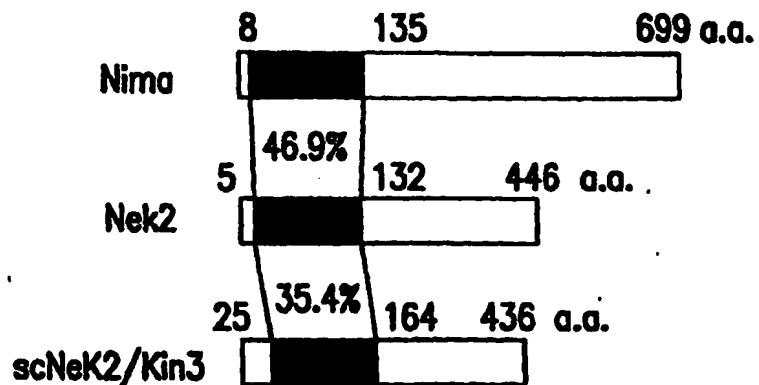


FIG.5A

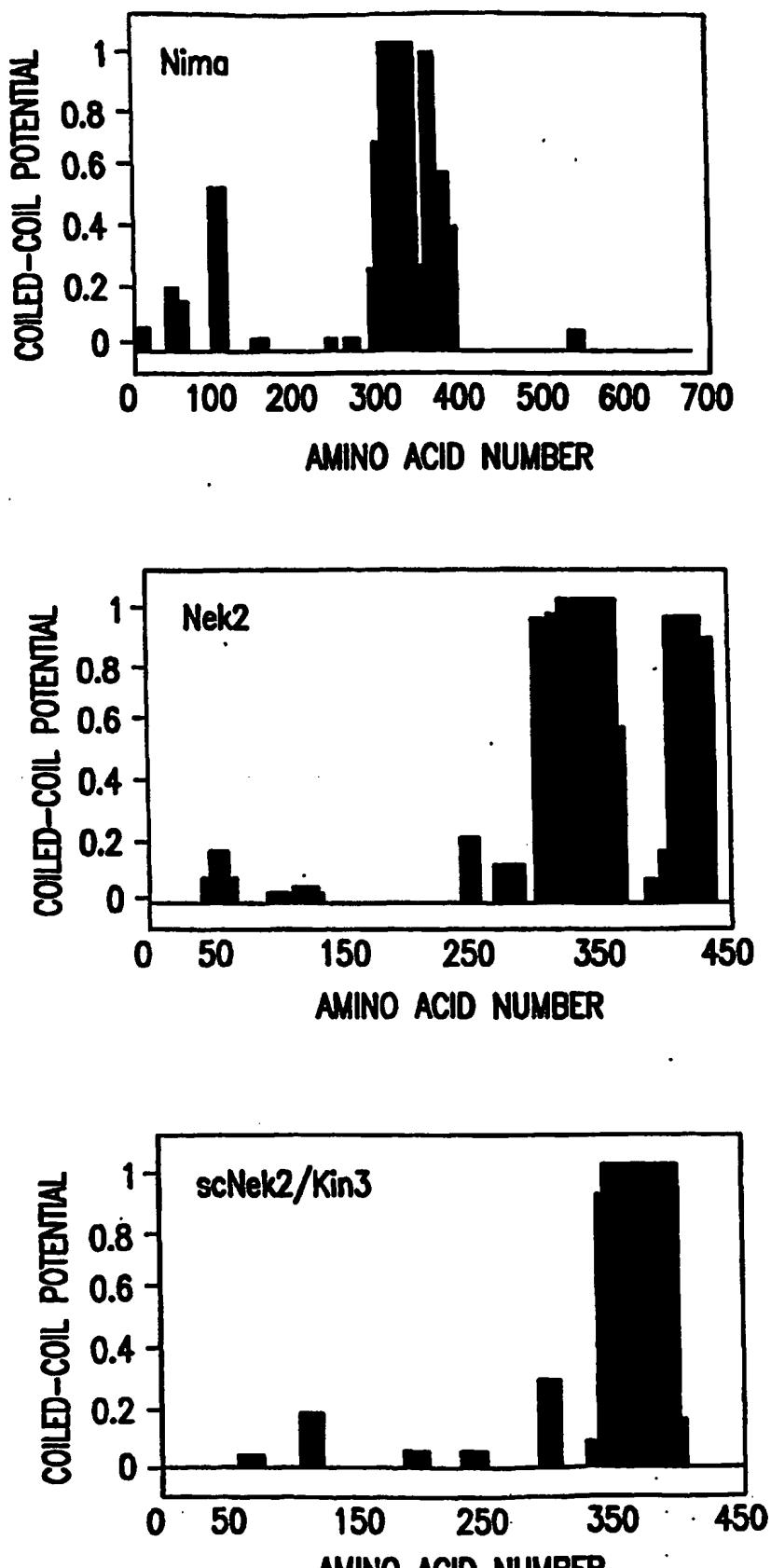
↓

Nima 35 **FILCRKEINYIK**
Nek2 32 **KILVWKELDYGS**
scNek2/Kin3 49 **KILCRKDICKYGH**

FIG.5D

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FIG. 5B



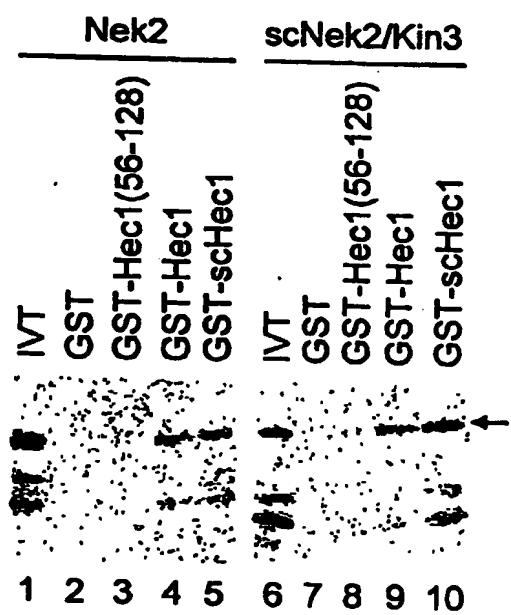


FIG.5C

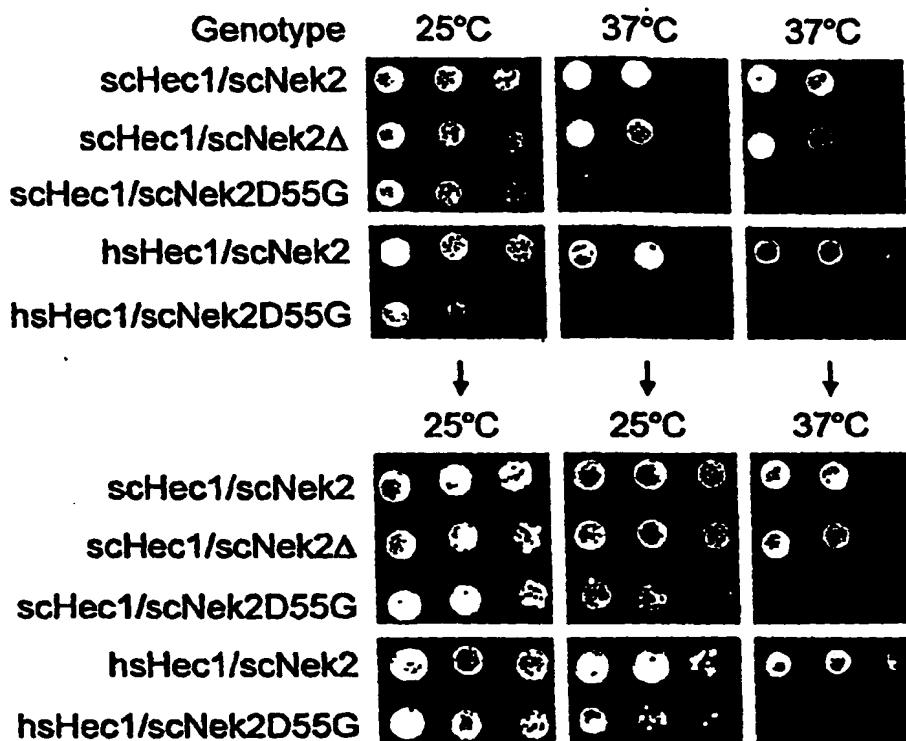


FIG.6A

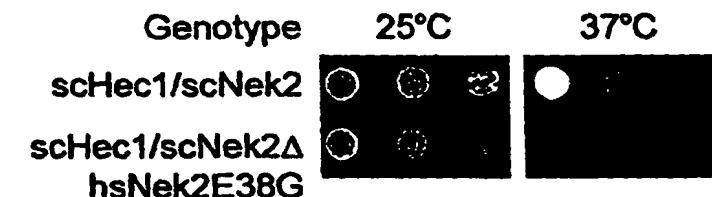


FIG.6B

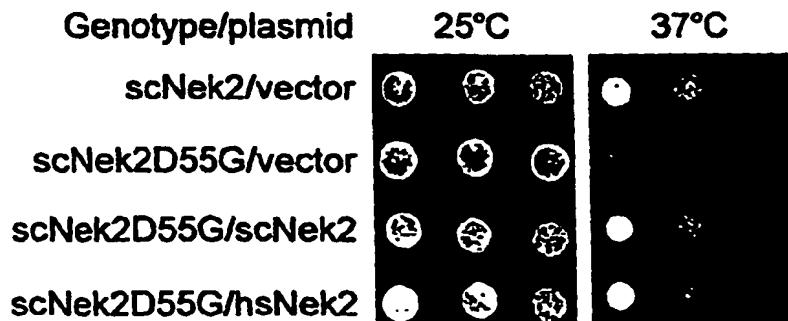


FIG 6C

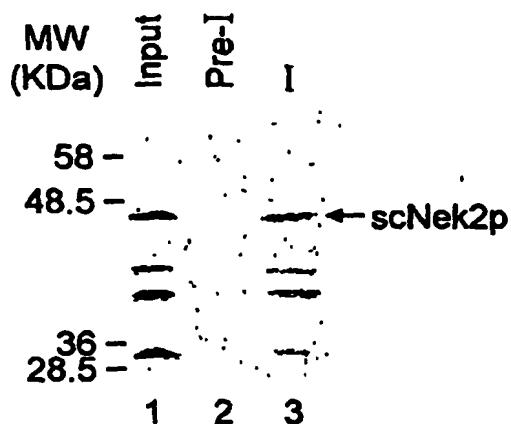


FIG. 7A

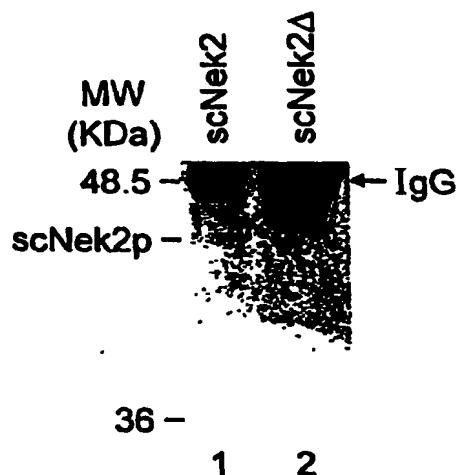


FIG. 7B

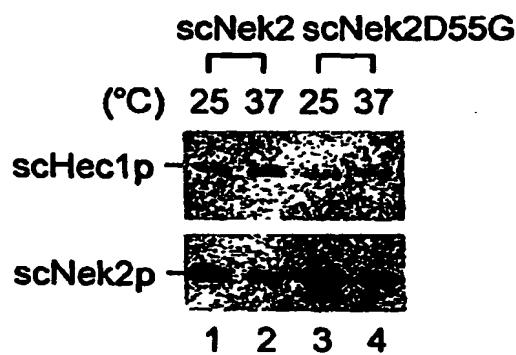


FIG. 7C

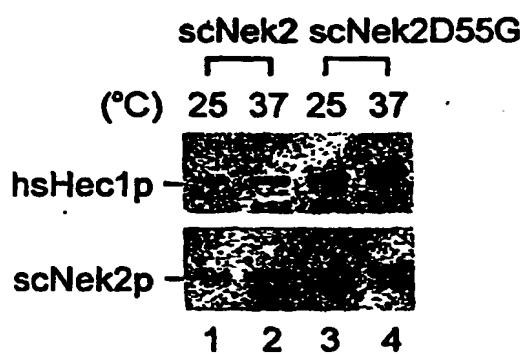


FIG. 7D

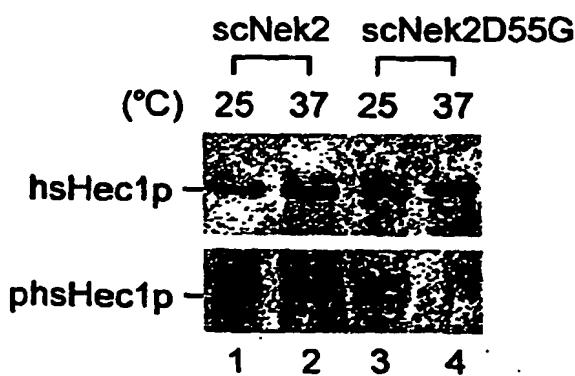


FIG 7

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scHec1	192	KNLRYPFLESIN
scHec1S201A		KNLRYPFLEAIN
scHec1S201E		KNLRYPFLEEIN
hsHec1	156	KDLGYPEALSKS
hsHec1S165A		KDLGYPEALAKS
hsHec1S165E		KDLGYPEALEKS

FIG.8A

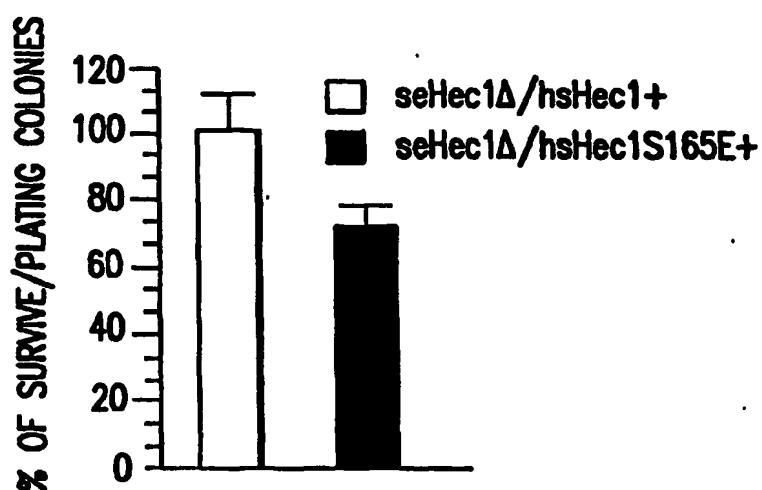


FIG.8C

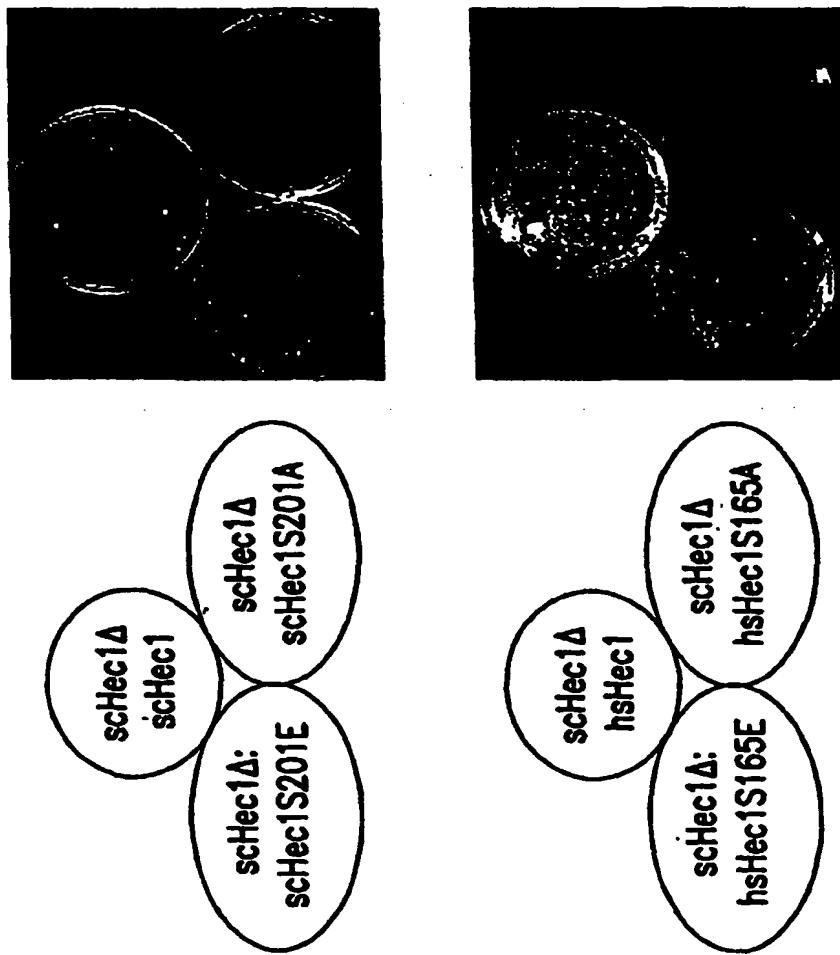


FIG. 8B



FIG.9A

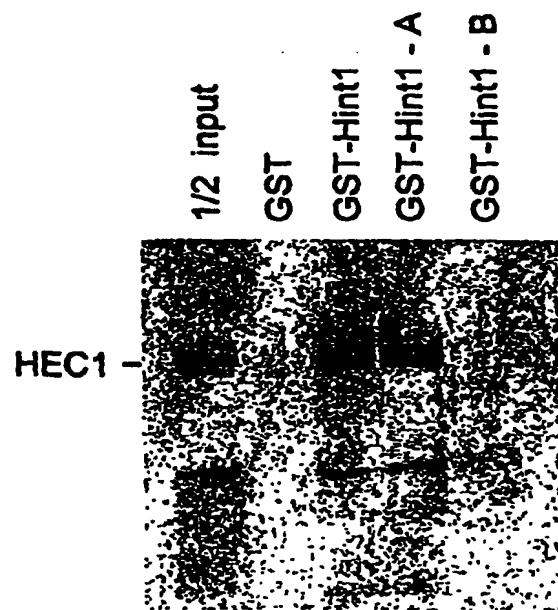


FIG.9B

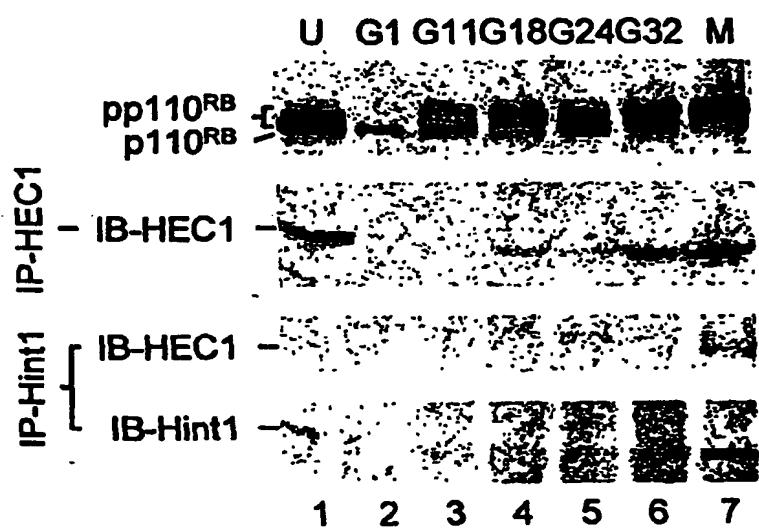


FIG. 10

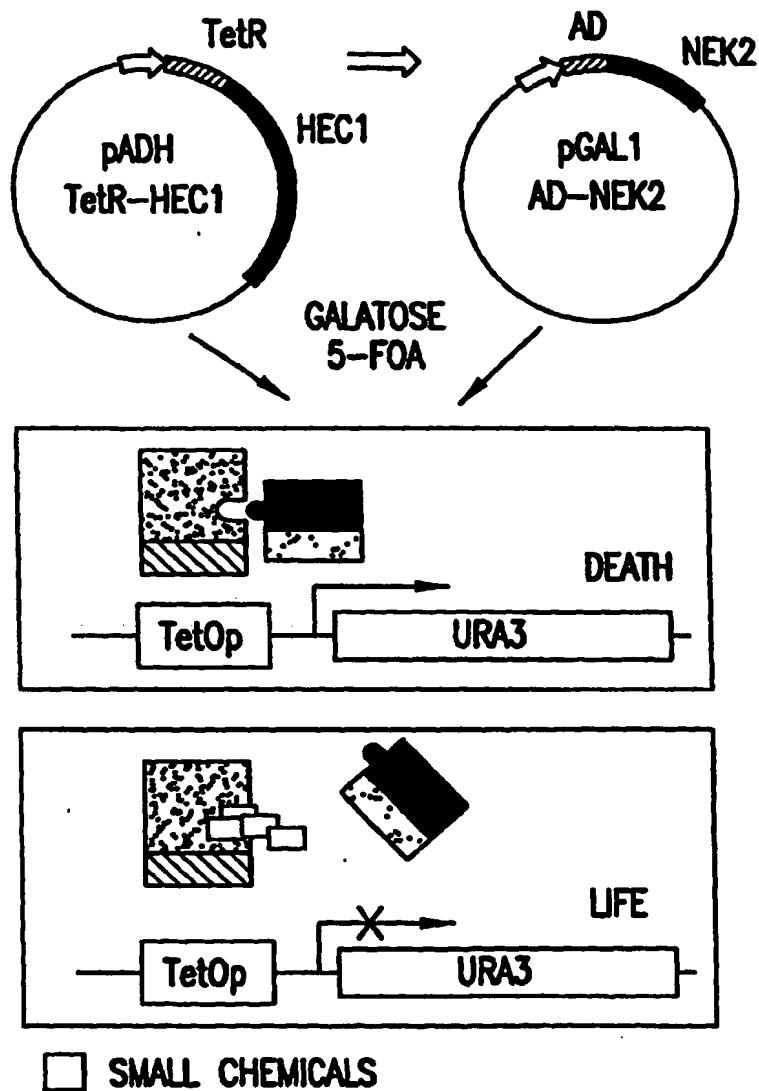


FIG.11A

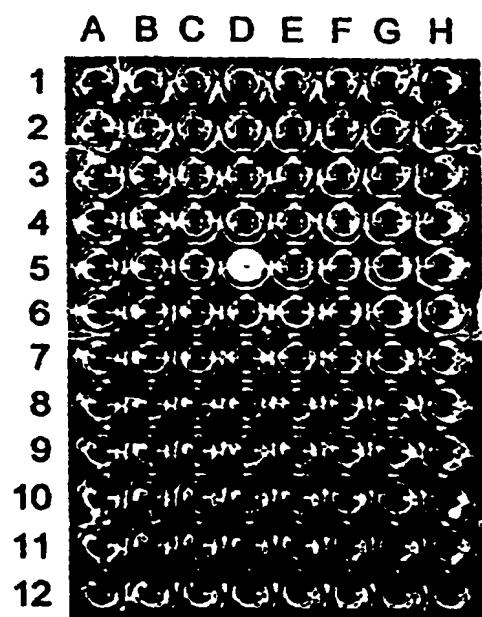


FIG.11B

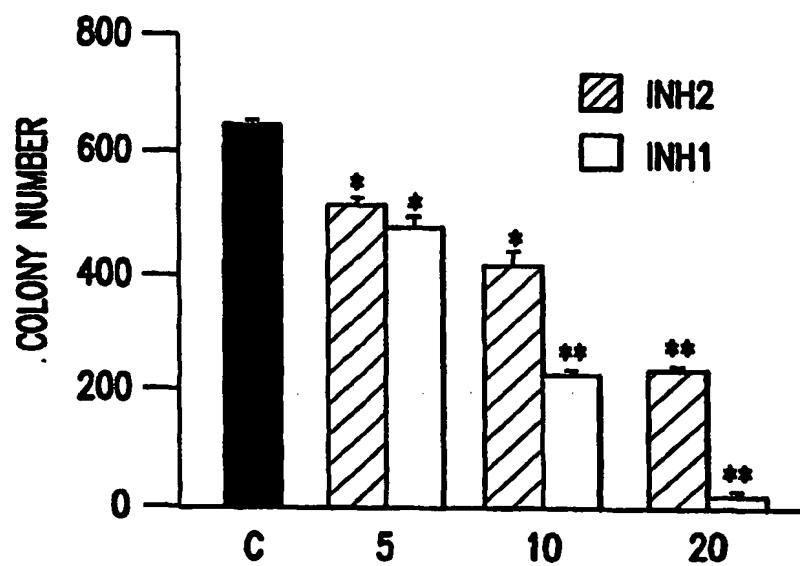


FIG.12

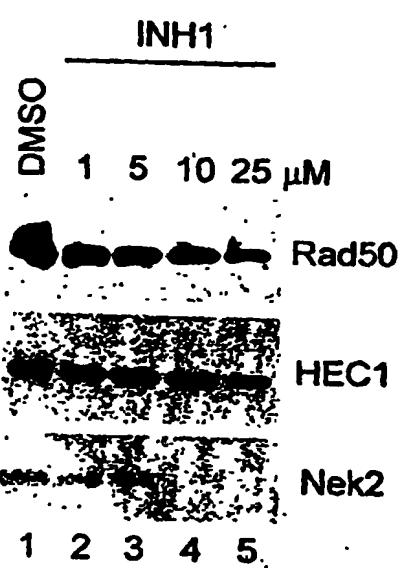


FIG.13A

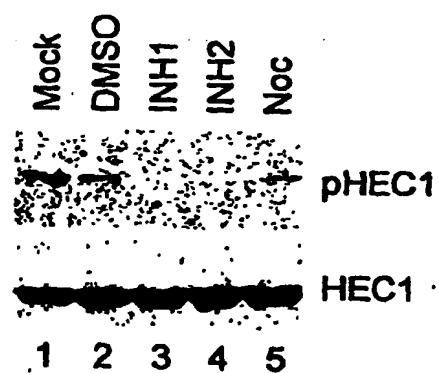


FIG.13B

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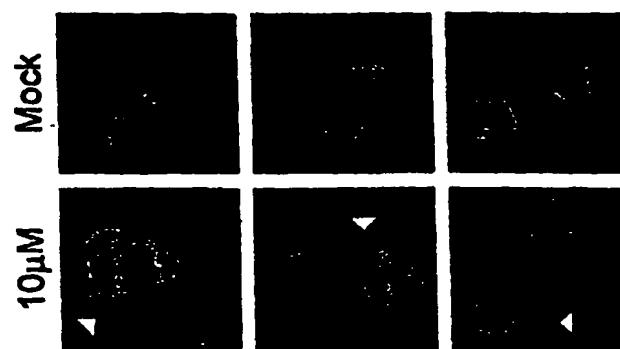


FIG.14A

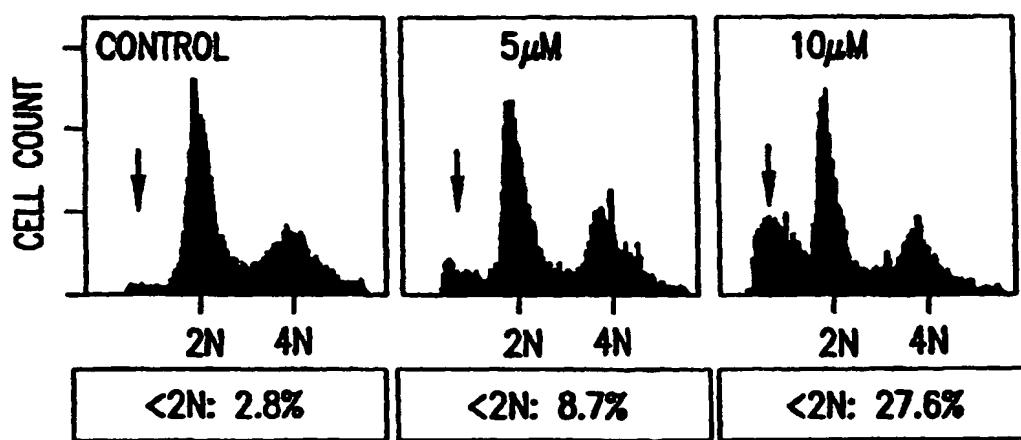


FIG.14B

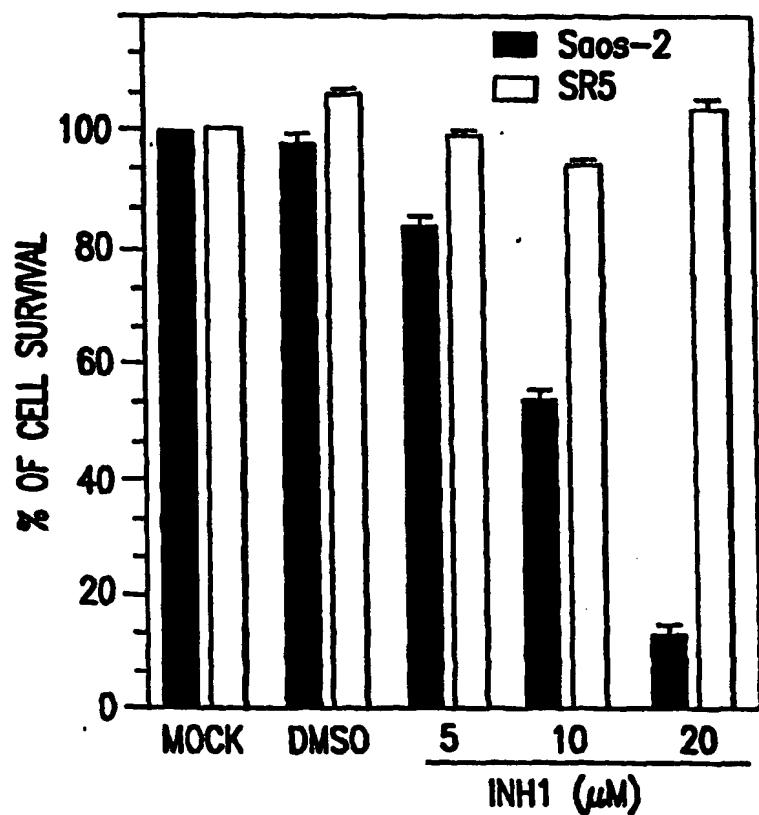
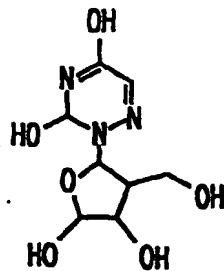
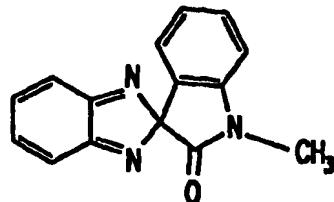


FIG. 15

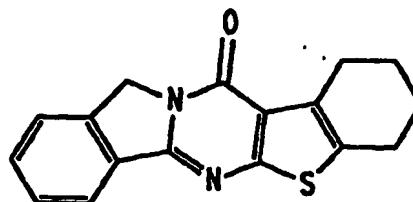
IBT 4282
MW: 247.21



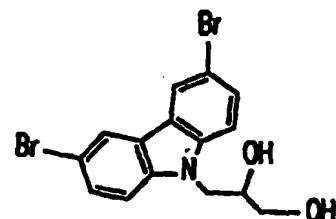
IBT 6432
MW: 249.27



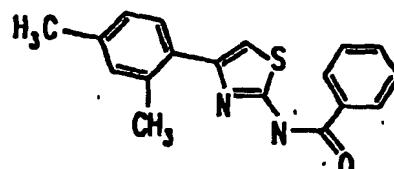
IBT 11830
MW: 294.38



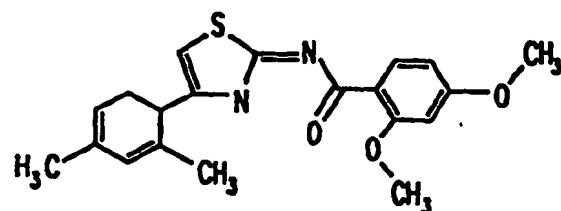
IBT 12008
MW: 399.08



IBT 13131
MW: 308.41



IBT 14664
MW: 382.49



IBT 15154
MW: 493.45

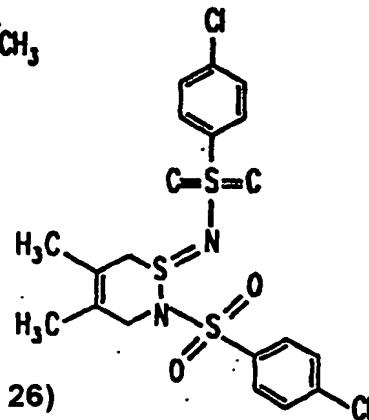


FIG. 16

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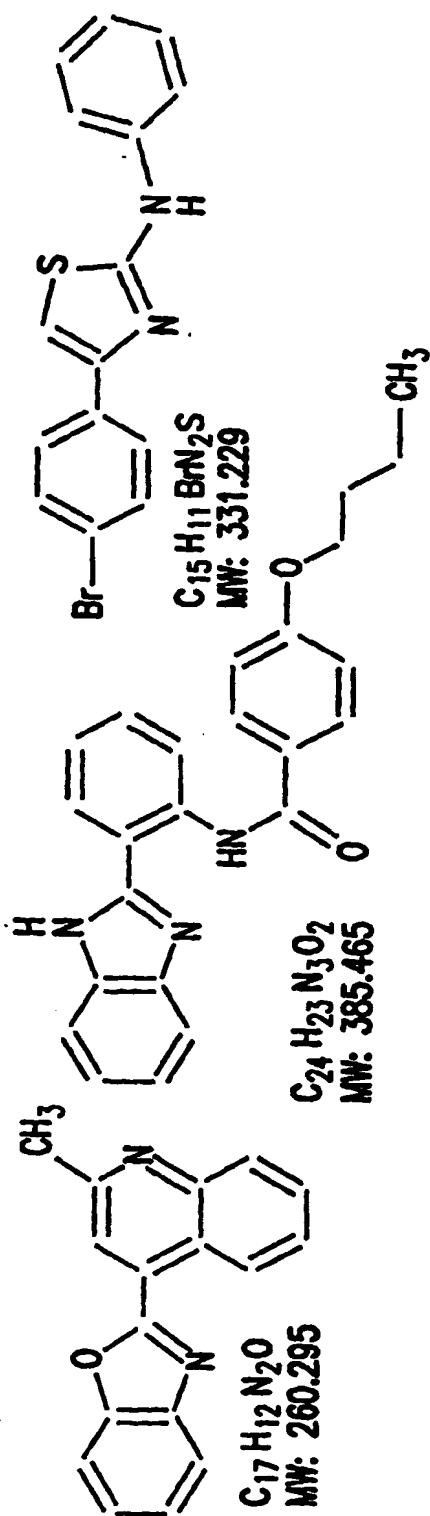


FIG. 17

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